

FILE COPY

JUN 16 2023

OFFICE OF
WATER

PAID

JUN 16 2023

Chk# 611123
Rec'd# 611123

Mail to:

SD DANR, Water Rights
523 E Capitol Ave
Pierre, SD 57501-3182

ph. (605) 773-3352

No. 8772-3 Hydrologic Unit 10170202
Basin Middle Big Sioux
Newspaper Estelline Journal (Wed) 873-2475
Watertown Public Opinion
(office use only)

Application for Permit to Appropriate Water for Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____

(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Irrigation Permit Poinsett Hutterian Brethren Inc.

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 46527 189th Street Estelline SD 57234
(Address) (City) (State) (Zip Code)

Phone 605.873.2630 Mobile 605.690.5430 Email levi.tschetter@outlook.com

2. Amount of water claimed 1.78 *CFS or **GPM ***AF Total Acreage 8.5 add'l
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Groundwater - one existing well

4. Location of point of diversion NW1/4 SE1/4 section 27-T114N-R51W
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
County Hamlin

5. County or counties where water will be used Hamlin

6. Annual period during which water is to be used May 1 - October 31

7. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
SW1/4 section 26-T114N-R51W	136		

8. Give a description of the project. (Attach sheet if more space is needed)

The SW1/4 sec. 26 is authorized for irrigation of 127.5 acres under Water Right No. 5328-3. This application adds 8.5 acres and appropriates an additional 1.78 cfs from an existing well authorized by Water Permit No. 8645-3 to allow the pivots in the W1/2 section 26 to operate at the same time. Currently, the pivots operate alternately from wells covered by Water Right No. 5328-3 and Water Right No. 5627A-3. NOTE: The well being used will no longer be used under No. 8645-3 since a second well was completed to irrigate the area covered by No. 8645-3.

I, Levi Tschetter President, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable)☐ Drilling new well(s)☒ Using existing well(s)a) If new wells, how many _____ Have test holes been drilled? ☐ Yes ☐ No Drilled by _____
(if yes, please provide copies of logs)b) If existing wells, how many 1 Provide copy of log(s), if available. Drilled by Steffl Drilling & Pump Inc.**For either existing or proposed wells:** SEE WELL COMPLETION REPORTc) Well Depth (required) 85 ft Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____d) Distance to nearest domestic well on applicant's property _____ Property owned by others 800'**2. Wastewater Disposal System Information**

a) Type of System (i.e. septic tank, drain field) _____

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

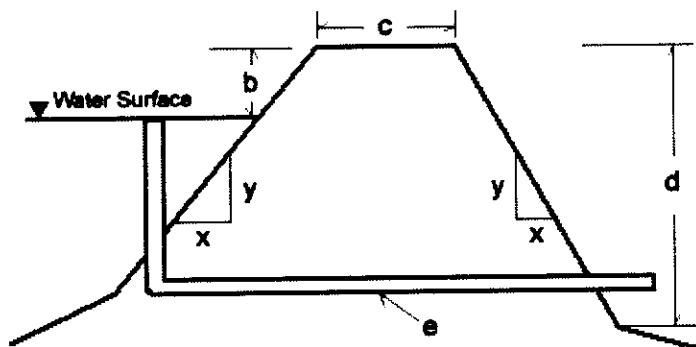
Upstream _____

Downstream _____

h) Area of Impoundment _____

i) Storage _____ Acre Feet

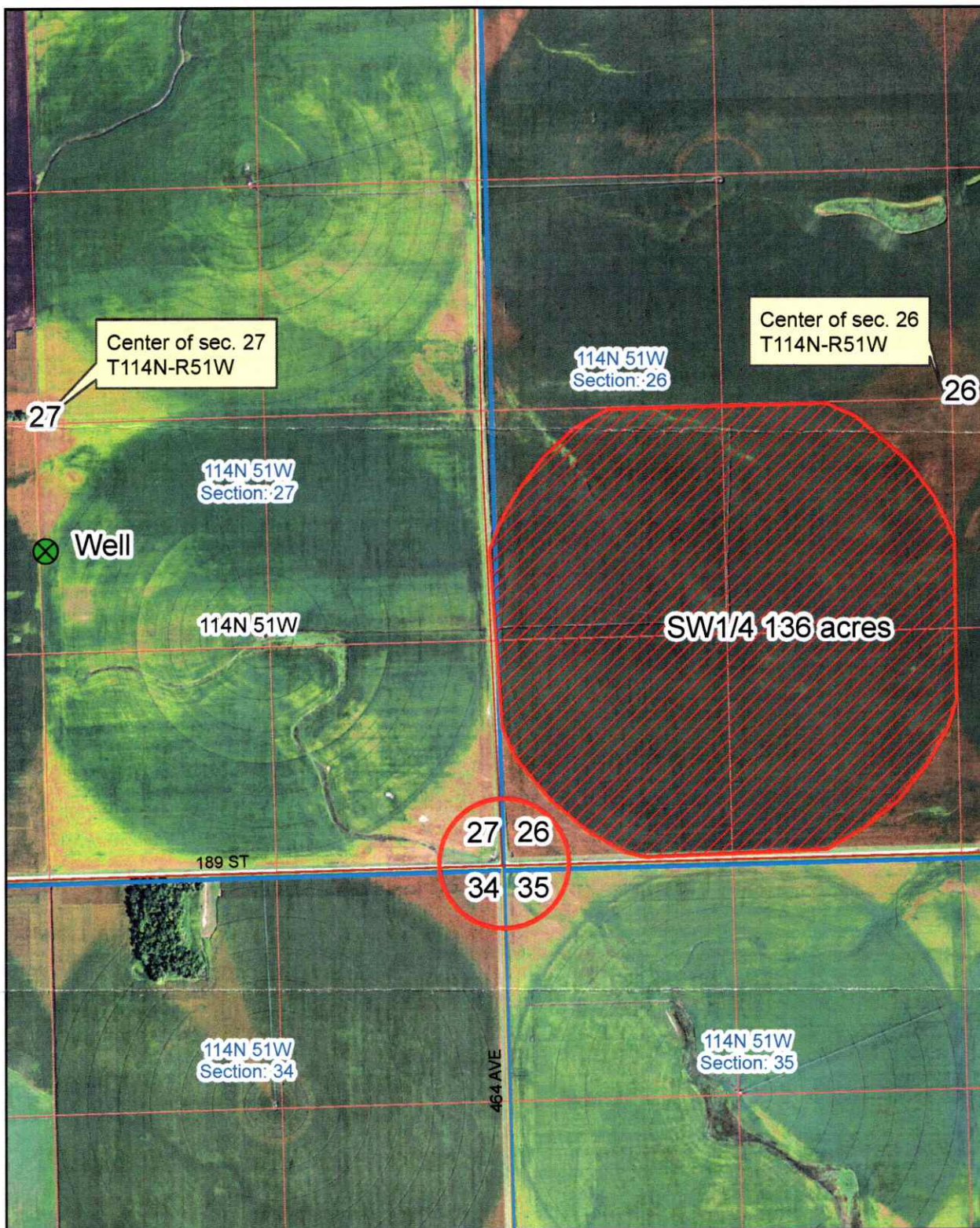
j) Drainage Area Above Dam _____ Acres



Scale: 1 inch = 870 feet


1,200

Feet



DANR
SOUTH DAKOTA

Completed by:


Ron Duvall, W.R. Permitting Administrator
SD DANR, Water Rights Program

Date:

Application No.

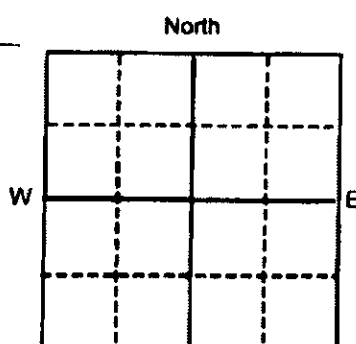
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW ¼ SE ¼ Sec 27 Twp 114N Rg 51W

County Hamlin

Please mark well location with an "X"



Well Completion Date

February 9th 2022

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.):
ft from _____ (Identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	12 IN	0 FT	65 FT	17.5 IN
LB/FT	IN	85 FT	95 FT	17.5 IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Quick Grout	20	Lb/gal	0.0 Ft	60 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 12 Inches Length 20 Feet

Material Stainless

Slot Size 100 Set From 65 Feet to 85 Feet

Other information

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

DISINFECTION: Was well disinfected upon completion?

☒ Yes. How? Chlorine

☐ No. Why Not? _____

Lab to which water quality sample sent for analysis

Well Owner: Poinsett Colony

Business Name: Same

Address: 46527 189th St

City, State, Zip: Estelline SD 57234

WELL LOG:

			DEPTH	
FORMATION			FROM	TO
Top Soil	Black	M	0	2
Clay	Tan	M	2	8
Gravel	Tan	Med / Hard	8	14
Clay	Gray		14	28
Gravel	Tan		28	44
Clay	Gray		44	57
Sand	Blue		57	85
Clay	Blue		85	95

STATIC WATER LEVEL 21.237 Below FFFI

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:

☐ Bailed

☐ Other

Pumping Level Below Land Surface

36.73 Ft After 24 Hrs. pumped 789 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

IRRIGATION WELL (TH#5)

GPS:

44 39 05.30N, 96 56 9.20W

This well was drilled under license # 463 and this report is true and accurate

Drilling firm: Steffl Drilling & Pump Inc

Signature of License Representative

RECEIVED

AUG 17 2022

Signature of Well Owner or Equitable Property Holder

OFFICE OF WATER

Levi Kahlert

Date 8-12-22

Print Form

Save As

Clear Form